

New U.S. Patent Appln.  
PRELIMINARY AMENDMENT

**PATENT**

**IN THE ABSTRACT:**

Please replace the original Abstract with the substitute  
Abstract attached hereto.

# **ABSTRACT**

A bioaffinity assay for quantitative determination in a sample of free PAPP-A, defined as the pregnancy associated plasma protein A (PAPP-A) that is not complexed to the proform of major basic protein (proMBP), where free PAPP-A is determined either i) as a  
5 calculated difference between measured total PAPP-A and measured PAPP-A complexed to proMBP, or ii) by a direct bioaffinity assay measuring only free PAPP-A. Also disclosed is a method for diagnosing an acute coronary syndrome in a person by using as  
10 marker either free PAPP-A as such or a ratio free PAPP-A/total PAPP-A, free PAPP-A/PAPP-A complexed to proMBP, or PAPP-A complexed to proMBP/total PAPP-A.